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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Jun-min Park

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7808

21171

7590

05/26/2004

STAAS & HALSEY LLP  
SUITE 700  
1201 NEW YORK AVENUE, N.W.  
WASHINGTON, DC 20005

EXAMINER

OMETZ, DAVID LOUIS

ART UNIT

PAPER NUMBER

2653

12

DATE MAILED: 05/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/982,168

Applicant(s)

PARK ET AL.

Examiner

David L. Ometz

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 15 March 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-22 and 24-40 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 4-7, 13, 16-22, 24-36, 39 and 40 is/are allowed.
- 6) ☒ Claim(s) 1, 8, 11, 12, 14 and 37 is/are rejected.
- 7) ☒ Claim(s) 2, 3, 9, 10, 15 and 38 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 10.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 12 and 37 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 60-182086.

As per claim 12, a dynamic vibration absorber for a disk player that records and/or reproduces data to and from a disk, comprising: a deck base supporting a deck plate 6 movably supported by said deck base to support a spindle motor 8 that spins the disk 9; a mass body 12 having a ring shape (see fig. 2) and which is disposed around said deck plate 6; a flexibly changeable connection member 13 that connects said deck plate and said mass body so as to allow a reciprocal action between said mass body and said deck plate; and supporting members 7 to support said deck plate at predetermined support points which define an inherent figure, wherein: the reciprocal action of said mass body 12 and said connection member 13 reduces a vibration generated when the disk spins, said mass body 12 is placed at an outermost point from a geometrical center of the figure defined by the supporting points (inherent since the mass bodies 12 are pushed to the extreme far edges of the deck plate 6 as seen in figure 2), and said mass body 12 is disposed on a side ("a side" being the top side) of said deck plate to reduce a vibration in a direction perpendicular to the side of said deck plate.

As per claim 37, a dynamic vibration absorber for a disk player that records and/or reproduces data to and from a disk, comprising: a deck base (inherent); a deck plate 6 movably supported by said deck base to support a spindle motor 8 that spins the disk 9; a mass body 12

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having a substantially rounded side (circular shaped as seen in figure 2) and which is disposed around said deck plate 6; and a flexibly changeable connection member 13 that connects said deck plate 6 and said mass body 12 so as to allow a reciprocal action between said mass body 12 and said deck plate 6, wherein: the reciprocal action of said mass body and said connection member reduces a vibration generated when the disk spins, and said mass body is disposed on a side (i.e. top side) of said deck plate 6 to reduce a vibration in a direction perpendicular to the side of said deck plate.

3. Claims 1, 8, 11, 14, 37 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 6-129488.

As per claim 1, JP'488 shows in figures 1 and 2 a deck base (inherent); a deck plate 16 movably supported by said deck base to support a spindle motor that spins the disk; a mass body 34 having substantially a ring shape and which is disposed around said deck plate 16; and a flexibly changeable connection member 20 having a first end 22 that connects with and extends through said deck plate 16 and a second end 32 that connects with said mass body 2 so as to allow a reciprocal action between said mass body and said deck plate, wherein the reciprocal action of said mass body and said connection member reduces a vibration generated when the disk spins.

As per claim 8, the dynamic vibration absorber for a disk player of claim 1, wherein said mass body 34 is disposed above or below (in this case "below", fig. 2) said deck plate 16 to reduce a vibration in an upper and a lower direction relative to said deck plate.

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As per claim 11, the dynamic vibration absorber for a disk player of claim 1, wherein said mass body 34 is disposed on a side (i.e. lower side) of said deck plate to reduce a vibration in a direction perpendicular to the side of said deck plate.

As per claim 14, the dynamic vibration absorber for a disk player of claim 1, further comprising additional mass bodies 34 and corresponding connection members 20 attached to said deck plate 16 (see fig. 2).

As per claim 37, a dynamic vibration absorber for a disk player that records and/or reproduces data to and from a disk, comprising: a deck base (inherent); a deck plate 16 movably supported by said deck base to support a spindle motor that spins the disk; a mass body 34 having a substantially rounded side (circular shaped) and which is disposed around said deck plate 16; and a flexibly changeable connection member 20 that connects said deck plate 16 and said mass body 34 so as to allow a reciprocal action between said mass body 34 and said deck plate 16, wherein: the reciprocal action of said mass body and said connection member reduces a vibration generated when the disk spins, and said mass body is disposed on a side of said deck plate 16 to reduce a vibration in a direction perpendicular to the side of said deck plate.

4. Claims 2, 3, 9, 10, 15, 38 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. Claims 4-7, 13, 16-22, 24-36, 39, 40 are allowed.

6. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

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7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David L. Ometz whose telephone number is (703) 308-1296. The examiner can normally be reached on M-W, 6:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (703) 305-6137. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



David L. Ometz  
Primary Examiner  
Art Unit 2653

DLO  
5/25/04